

RYTON
URBAN DISTRICT COUNCIL

ANNUAL
REPORT

OF THE
MEDICAL OFFICER
OF HEALTH

FOR THE
YEAR ENDING DEC. 31ST, 1944

H. E. DUNSTAN, M.B., B.S., M.R.C.S., L.R.C.P.,
EDWIN JOICEY, M.S.I.A., A.R. San. I.
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Public Health Officers of the Authority.

Medical Officer of Health—

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Clerk—

Miss I. I. CRAIG.

Health Department,
Council Offices,
Ryton.
July 1945

To The Chairman and Members of the
Ryton Urban District Council.

Gentlemen,

I have pleasure in submitting my Annual Report for the year 1944.

The progressive increase in the Birth Rate noted in the previous year's report has been maintained.

Although the number of cases of Diphtheria remains satisfactorily low, it is disturbing to note the marked decrease in the number of people taking advantage of the benefits of immunisation which is provided free of cost by the Council. Further steps will have to be made to bring the importance of this matter before the public.

Generally speaking, the health of the district remains highly satisfactory after the rigours of five years of war.

It gives me great pleasure to record my sincere appreciation of the willing co-operation and assistance given by the Sanitary Inspector and also my thanks to the other Council Officials for their help in many directions.

I am, Gentlemen,
Your obedient servant,
H. E. DUNSTAN,
Medical Officer of Health.

MEDICAL OFFICER'S ANNUAL REPORT.

Statistics and Social Conditions of the Area.

Area.	The acreage remains at 5,145.
Population.	According to 1931 Census was 14,204.
Population — Estimated	 12,870.
Number of Inhabited Houses (at 31st December, 1943), according to rate books	= 3,734
Rateable Value (at 1st October, 1944)	= £53,927
Sum Represented by Penny Rate (1st April, 1944)	equals £202.

Physical Features and General Character of the Area. The Ryton Urban District is situated on the north-west extremity of the county and is bounded on the north by the Tyne, on the south and east by tributaries of the river known as the local burns, the Barlow Burn and the Blaydon Burn which separate it from the Blaydon Urban District, and on the west by the Stanley Burn which is also the boundary between the County of Northumberland.

The Urban District is divided into four wards, named Crookhill, Ryton, Crawcrook and Ryton Woodside. The Ryton and Crawcrook wards although much lower than Greenside (reaches 600 ft.) and the country south of them, stand well above the level of the Tyne which is about a mile to the north of Crawcrook and about half a mile at Ryton, and have excellent natural drainage. The only low-lying parts of the district are the areas near to the river at Clara Vale and at Ryton Haughs where there are two rows of houses near Newburn Bridge.

The greater part of the district is agricultural and there is one Brick Yard and a few Stone, Sand and Gravel Quarries, but most of the population is employed at the Collieries of which there are five, situated at Greenside, Clara Vale, Barmoor, Stargate and Addison.

The soil is clay and sand.

Unemployment. The figures relating to unemployment are not available owing to wartime restrictions.

Births. The total number of live births was 269, of which 143 were males and 126 females, an increase on last year of 41. The number of births for 1943 was 228 and for 1942, was 199. Of the total live births 17 were illegitimate. The natural increase of the population for the year, i.e., the excess of the births over deaths, was 99 as against the natural increase for the previous year of 66.

THE LIVE BIRTH RATE for the year was 20.89 as against that for 1943 at 17.58 being slightly lower than the birth rate for the Administrative County at 20.9 and higher than the birth rate for England and Wales at 17.6.

Deaths. The total number of deaths was 170, consisting of 90 males and 80 females corresponding to an annual death rate of 13.21: that for the administrative county being 12 and for England and Wales, 11.6. The deaths for 1943 were 162 giving a death rate of 12.49.

Over one third of the deaths in the district occurred in people over 70 years of age.

Infantile Deaths. The number of deaths registered under one year was 19, consisting of 14 males and 5 females. The infantile death rate was 70 and that of the county was 61, and that of England and Wales 46. Of the infantile deaths, 74% occurred during the first four weeks of life.

A graph comparing the Infantile Mortality Rates for Ryton, Durham County and England and Wales, is appended.

It will be noted that the rate for this district has risen considerably. An analysis of the causes shows of the infantile deaths 10 were due to congenital abnormalities, 2 were probably due to birth trauma and thus only 7 of these deaths were due to infection acquired after birth in a healthy child.

Deaths from Zymotic Diseases. There have been no such deaths in the district during the past 4 years. The rate for the County is 0.23.

Respiratory Diseases. There were 3 deaths from pneumonia, 5 from bronchitis and 2 from further respiratory diseases, making in all 10 deaths from respiratory diseases other than phthisis, equivalent to a death rate from respiratory diseases of 0.77.

Tuberculosis. Pulmonary Tuberculosis caused 5 deaths as compared with 10 in 1943 representing a Phthisis mortality of 0.39. There was 1 death from other tuberculosis diseases, giving a non-pulmonary tuberculosis death-rate of 0.08.

The total tuberculosis mortality was therefore 0.47 as compared with the County rate of 0.47.

Cancer. Deaths due to cancer numbered 21 compared with 19 during 1943. 13 were males and 8 females, giving a death rate of 1.63.

Heart Disease caused 40 deaths, and other cardiovascular diseases 5, giving a total of 45 deaths and a death rate of 3.49.

Extracts from Vital Statistics for the Year.

	Total.	M.	F.	Birth Rate per 1,000 of the estimated resident population 20.89.
Live Births Legitimate	252	135	117	Rate per 1,000 (Live and Still) Births 39.28.
Illegitimate	17	8	9	
Still Births Legitimate	11	7	4	Death Rate per 1,000 of the estimated resident population 13.21.
Illegitimate	—	—	—	
Deaths	170	90	80	

Deaths from puerperal causes (Headings 29 and 30 of the Registrar General's Short List):—

	Deaths	Rate per 1,000 total (live and still) births
No. 29 Puerperal Sepsis ...	—	—
No. 30 Other puerperal causes	—	—
Total ...	—	—

Death Rate of Infants under 1 year of age—

All Infants per 1,000 live births	70
Legitimate Infants per 1,000 Legitimate live births	67.46
Illegitimate Infants per 1,000 Illegitimate live births	11.76
Deaths from Cancer (all ages)	21
„ Measles (all ages)	Nil
„ Whooping Cough (all ages)	Nil
„ Diarrhoea (under 2 years of age)	3

Nursing Arrangements.

The general nursing in the district is carried out by the Ryton and Greenside Nursing Associations, voluntary bodies maintained by public subscription, and by regular contributions which the miners employed in the district allow to be deducted from their wages. In addition, the owners of the Stella Coal Company, together with other well wishers in the district give generous support. Grants for the associations are made by the Public Assistance Committee through the County Council and a portion of these go towards the care of special cases. There is little doubt that all these donors are well satisfied with the treatment afforded by the visiting nurses who regularly attend patients throughout the district.

As a practitioner I should like on behalf of myself and my colleagues to express appreciation of the work carried out by both Associations and their nurses.

There are two district midwives resident in the district and Durham County Council, as Maternity and Child Welfare Authority is responsible for their appointment. Telephones are installed in the nurses homes for the convenience of patients. During the past year the Midwives have carried out their duties with great care and efficiency.

Laboratory Work. The County Council of Durham has an arrangement with the Bacteriological Department of King's College, Newcastle, to which specimens may be sent and examined free of cost to the patient or practitioner. (See Table on page 14.)

Hospital Provision.

Infectious Diseases. The Conjoint Infectious Diseases Hospital at Norman's Riding, Winlaton, serves the need of this district as well as admitting all necessary cases from the Blaydon and Whickham Urban Districts.

During the year 25 cases were admitted from the Ryton area.

Provision has been made by the Joint Hospital Committee for the treatment of any cases of Small Pox arising in the District to be treated at the Howdon Bank Hospital under the County Small Pox Scheme.

Tuberculosis. Durham County Council has provided various sanatoria for the treatment of tuberculosis cases throughout the county. The number of beds available for the purpose is 536. The nearest tuberculosis dispensary is at Whickham (5 miles).

General. The Royal Victoria Infirmary, Newcastle, receives the greater proportion of Medical and Surgical cases from the Ryton area, and also provides a Convalescent Home for males and females at Castle Hill which is situated on the Western boundary of the district—114 beds are available.

Midwifery and Gynæcology. Of those Midwifery and gynæcological cases sent to hospital, most find their way to the Princess Mary Maternity Hospital and the gynæcological Department of the Royal Victoria Infirmary, Newcastle. A maternity and child welfare clinic provided by the County Council is held regularly in Ryton.

Venereal Diseases. The county have an arrangement whereby such cases are treated at the Venereal Diseases Clinic, City Hospital, Westgate Road, Newcastle-on-Tyne.

School Clinics. Minor ailments are treated at the County Clinics at which dental and sunray treatment is also available.

Ambulance Facilities.

Infectious Diseases. An ambulance is provided by the Conjoint Hospital Committee for Ryton, Blaydon and Whickham.

Non-Infectious Cases. The Miners at the various collieries in the district provide and maintain 4 Ambulances. These are stationed at Greenside, Clara Vale, Emma, and Stargate.

The Ryton Council pay a small retaining fee for a privately owned ambulance used for public hire.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

During the year there were 87 cases of Infectious Diseases notified, and of these 33 were due to Measles, 10 Diphtheria, and 16 Scarlet Fever.

The incidence of infectious diseases within the district can in no wise be deemed unsatisfactory.

Enteric.—None notified.

Smallpox.—No cases notified.

Diphtheria. 10 cases were notified, of which 9 were removed to hospital. There were no deaths.

Scarlet Fever. 16 cases were notified, 14 of which were removed to hospital. There were no deaths. 19 cases were notified during 1943.

Ophthalmia Neonatorum. 5 cases were notified during the year.

Cerebro-Spinal Meningitis. 1 case was notified during the year. This was not confirmed.

Erysipelas. 2 cases were notified during the year as compared with 5 cases during 1943. No deaths.

Measles. 33 cases were notified, as compared with 26 the previous year.

Whooping Cough. 1 case was notified during the year.

Diphtheria Immunisation. Immunisation has been carried out as indicated in the following table:—

						Children.	
						School.	Pre-School.
1941	...	...	...	...	...	1,292	220
1942	...	...	...	...	...	279	273
1943	...	...	...	...	...	33	254
1944	...	...	...	...	...	8	124

Antitoxin is, of course, still supplied by the Council free of charge to general practitioners for the immediate treatment of both definite and suspected cases of Diphtheria occurring within the district.

The prophylactic used is an Alum Precipitated Toxoid prepared by Messrs. Burroughs Wellcome & Co.

Measles Prophylaxis and Attenuation.—At the present time there are no local facilities available for the use of serum for measles prophylaxis and attenuation. This also is a matter which, I have little doubt, could be given consideration should the necessity arise.

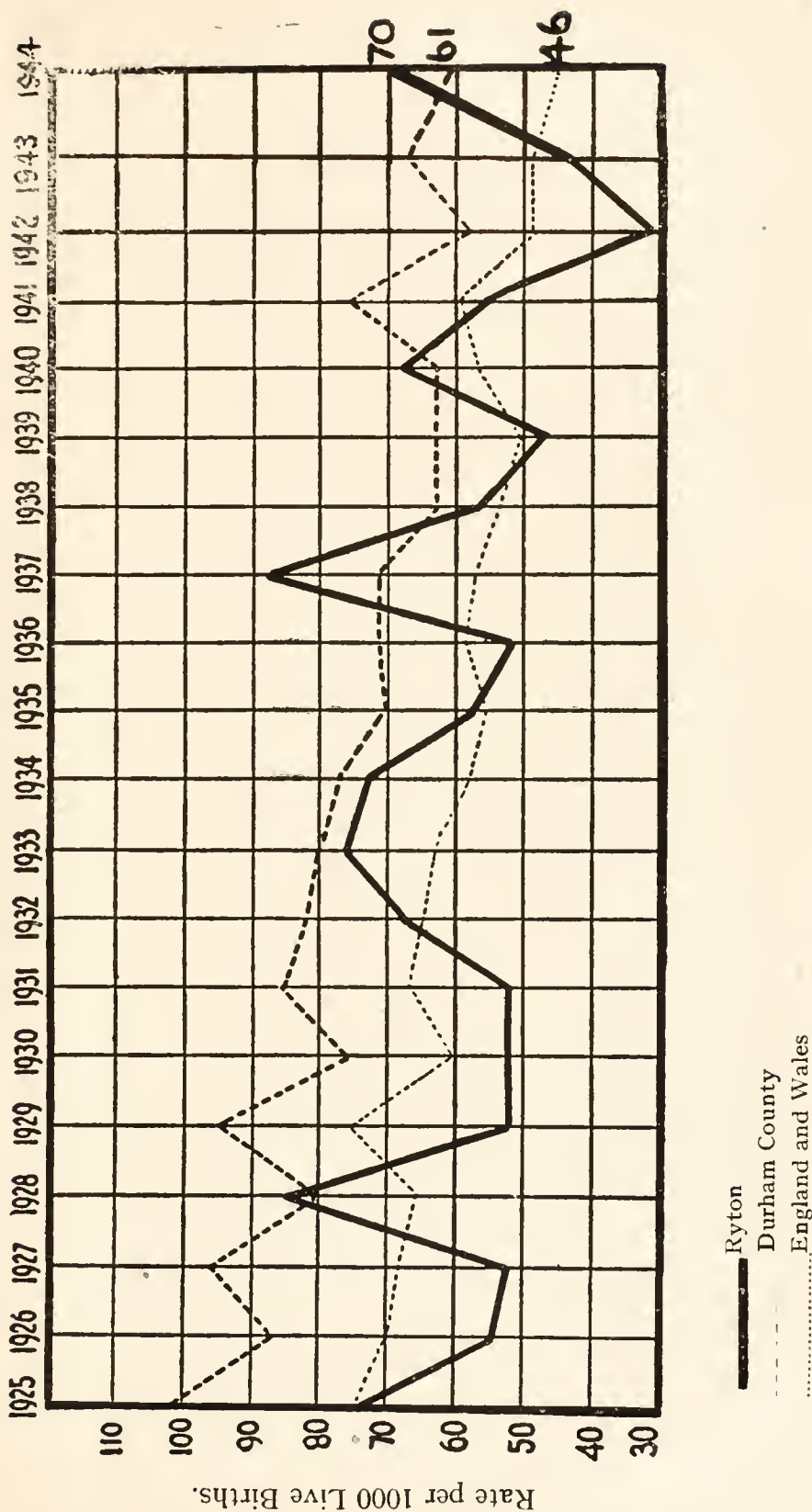
Scabies. During the year free treatment was provided under the Scabies Order, 1941, a suitable medicament being issued to patients on production to the Health Department, of a certificate signed by a Medical Practitioner. Facilities are available at the First Aid Post, Miners' Welfare Hall, Blaydon, for the more resistant cases.

Details of treatment :

Number of cases for whom lotion was provided ... 665

As it is now the practice to treat all the occupants of a house in which scabies is found, whether they be infected or not, it may be noted that this figure is not a true index of the incidence of the disease in this area.

Graph Comparing Infantile Mortality Rates of Ryton, Durham County, England and Wales, since 1925



Tuberculosis.

New Cases and Mortality during 1943.

Age Periods	New Cases.				Deaths.			
	Respiratory		Non-Resp'ry		Respiratory		Non-Resp'ry	
	M	F	M	F	M	F	M	F
0								
1								
5								
15	4		1					
25	2	2				3	1	
35								
45	2					1		
55						1		
65 & upwa'ds								
Total	8	2	1			5	1	

Deaths from Cancer.

Age Periods	0	1	5	10	15	20	25	35	45	55	65 and over	Total
Male ...							1	2	2	4	4	13
Female									1	1	6	8

Total 21

Bacteriological Examinations.

Year	Enteric Fever			Diph- theria	Tuber- culosis	Tuber- culosis *	Miscell- aneous †	Totals	
	Serological Examinations								
	Positive.	Negative	Incon- clusive						
									Typh- osis
1944	—	—	—	P 11	N 16	I —	P 3	N 5	I —

*These are the tuberculosis specimens taken at County Dispensaries, Hospitals and Sanatoria.

†This section comprises examinations for Brucella Abortus, Haemolytic Streptococci, Enteric Groups, Diphtheria Virulence and Diphtheria direct swab, which have been specially approved by the County Medical Officer.

P—Positive.

N—Negative

I —Inconclusive.

**Prevalence of and control over Infectious diseases.
Notifiable Diseases (other than Tuberculosis).**

	Under 1 year	1	2	3	4	5	10	15	20	35	45	over 65	Total	Deaths	Cases ad- mitted to Hospital
Scarlet Fever	...					9	4	3					16		14
Diphtheria	...				1	5	3		1				10		9
Enteric	...														
Puerperal Pyrexia	...														
Pneumonia	...					1			2	3	1		7	3	
Oph. Neon.	...	5											5		2
Erysipelas	...								1	1			2		1
Encephalitis Lethargica	...														
Acute Poliomyelitis	...														
Cerebro spinal Meningitis	...		1										1		1
Whooping Cough	...					1							1		
Measles	...	1		1	4	6	21						33		

Grand Total 76

Incidence of Principal Infectious Diseases since 1934.

Year	Scarlet Fever		Diphtheria		Enteric		Measles		Whooping Cough	
	Cases Noti- fied	deaths	Cases Noti- fied	deaths	Cases Noti- fied	deaths	Cases Noti- fied	deaths	Cases Noti- fied	deaths
1935	136	3	20	3	7	—	—	—	—	—
1936	108	1	32	1	—	—	—	—	—	1
1937	37	2	44	2	1	—	—	—	—	2
1938	44	2	48	3	2	—	—	—	—	1
1939	23	—	19	1	—	—	—	—	3	—
1940	2	—	23	3	2	—	77	—	—	—
1941	11	—	11	—	—	—	92	—	41	—
1942	26	—	14	—	—	—	86	—	—	—
1943	21	—	12	—	1	—	26	—	1	—
1944	16	—	10	—	—	—	33	—	1	—

TOTAL DE ATHS.

Causes of Death in Ryton U.D., 1944.

Causes of Deaths.		Ma'es	Females
All Causes	...	90	80
Typhoid and paratyphoid fevers	...	...	...
Cerebro-spinal fever	...	...	...
Scarlet Fever	...	...	...
Whooping Cough	...	..	...
Diphtheria	...	...	...
Tuberculosis of respiratory system	...	.	5
Other forms of tuberculosis	...	1	...
Syphilitic diseases	...	...	...
Influenza	...	...	...
Measles	...	...	...
Ac : Polio-Myel: and polio-enceph	...	..	...
Ac : Inf. Enceph	...	...	...
Cancer of buc , cav and oesoph (M) uterus (F)	...	1	1
„ of stomach & duodenum	...	4	3
„ of breast	...	...	3
„ of all other sites	...	8	1
Diabetes	...	...	...
Intracranial vascular lesions	...	14	12
Heart disease	...	24	16
Other diseases of circulatory system	..	1	4
Bronchitis	...	3	2
Pneumonia	...	1	2
Other respiratory diseases	...	2	...
Ulcer of stomach or duodenum	...	1	...
Diarrhoea under 2 years	...	3	...
Appendicitis	...	...	...
Other digestive diseases	...	1	3
Nephritis	...	1	2
Puerperal and post-abortion sepsis	...	...	..
Other maternal causes	...	..	...
Premature birth	...	2	...
Congenital mal: birth inj: infant: dis....	...	7	4
Suicide	...	.	..
Road Traffic Accidents	...	1	2
Other violent causes	...	2	1
All other causes	...	13	19
Live Births—			
Total	...	143	126
Legitimate	...	135	117
Illegitimate	...	8	9
Still Births—			
Total	...	7	4
Legitimate	...	7	4
Illegitimate	...	...	...
Deaths of Infants under 1 year—			
Total	...	14	5
Legitimate	...	12	5
Illegitimate	...	2	...

Population... 12,870

Comparability Factor . Not available.

SANITARY CIRCUMSTANCES OF THE AREA.

The work done in the Sanitary Inspector's department during the year has been efficiently carried out, and the details will be found in the tabular statement appended. He reports as follows:—

Water Supply. The Water Supply is obtained from the Newcastle and Gateshead Water Co. The water is of good quality, continuous and plentiful.

There are still a few isolated houses which derive their water supply from wells.

Rivers and Streams. No action taken.

Drainage and Sewerage. The sewerage system has been efficiently maintained.

Roads and Streets. A restricted amount of road repair has been carried out.

RATS & MICE DESTRUCTION ACT, 1919.

During the year the Council accepted delegation of powers under the Act from the County Council.

Infestation Order 1943 Following directions from the Minister of Food all the sewers in the district were treated to remedy infestation by rats, in accordance with the procedure laid down, with satisfactory results.

Maintenance treatment is to be carried out periodically.

Closet Accommodation. There are now in the district 3,958 water closets, 113 ash closets, and 19 ashpit privies.

Scavenging. The whole of the scavenging of the district is now done by the Council direct and is carried out under the supervision of the Sanitary Inspector, 8 horses and carts being employed and the refuse tipped in old quarries, etc. The majority of the houses are provided with ash-bins which are emptied twice weekly where necessary and the remainder of the receptacles once.

During the year ending March 31st, 1945, 329,723 receptacles were cleansed and 7,609 loads of refuse removed. Estimated weight of refuse removed, 7,609 tons.

Covered carts with pneumatic tyres are used for the collection of refuse, being a much needed improvement which is appreciated by the general public.

Salvage. Salvage collection and disposal has been actively carried out and the following table shows a comparison of the amounts collected since the scheme was put into operation :—

YEAR	WASTE PAPER	METALS	TEXTILES	BONES
	Cwts.	Cwts.	Cwts.	Cwts.
1940	1023 $\frac{3}{4}$	1182 $\frac{1}{4}$	110 $\frac{1}{4}$	84 $\frac{1}{2}$
1941	1415	1491 $\frac{3}{4}$	157 $\frac{1}{2}$	79
1942	1533	1319 $\frac{1}{2}$	198 $\frac{1}{4}$	112 $\frac{1}{2}$
1943	1180 $\frac{1}{2}$	532 $\frac{3}{4}$	164 $\frac{1}{4}$	164 $\frac{1}{2}$
1944	867 $\frac{3}{4}$	86 $\frac{1}{2}$	165 $\frac{3}{4}$	93 $\frac{3}{4}$

The Disinfection of Houses. During the year 23 houses have been disinfected. The bedding and clothes of the persons removed to the Conjoint Hospital are taken there and disinfected by steam. In other cases cleansing is carried out at home.

In all cases of infectious disease disinfectants are supplied by the Council free of charge.

Shops and Offices. It has not been necessary to take any statutory action under the provisions of the Shops Act, 1943, or the Public Health Act, 1936.

Camping Sites. Two sites in the area, one on each bank of the river were periodically used for Camping over short periods during the year. The sites are not licenced.

The camps are regularly inspected during the camping periods.

Eradication of Bed Bugs.

Number of houses:

		Found to be Infested			Disinfested
Council Houses	..	—	...	...	—
Other Houses	...	17	...	...	17

Instructions regarding disinfecting and cleansing are given by the Sanitary Inspector who periodically visits infested houses until found clear, the work being carried out by the tenants, and where property is unoccupied by the owners. Fluid insecticide is supplied by the Council and pressure sprays are issued on loan.

It has been found that the active co-operation of the tenants of houses is necessary to ensure thorough disinfection, as in most cases several applications of insecticide are required.

No action is taken by the Council to ensure that the belongings of tenants are free from vermin before removal to Council Houses.

Cinemas. There are two in the area, both of which are kept in a clean and satisfactory condition.

Schools. The schools are all modern and sanitary with a good water supply.

Recreation Grounds. There have been no extensions.

HOUSING.

Routine inspections have not been carried out since the outbreak of war, but all complaints are investigated and action is taken to have defective properties repaired as early as possible. Some delay is inevitable owing to the shortage of labour and materials.

The majority of the houses are of modern construction and most of them well-built; the new streets are well planned and there is practically no crowding of houses into confined yards and courts. In addition the district enjoys the natural advantages of being situated on rising ground and in being surrounded by open country.

Since 1st January, 1920, there have been built—

534 houses by private enterprise.

641 houses by the Council.

Present conditions are holding up progress with regard to the reconditioning of the remainder of the back to back houses at Addison and a small number of back to back houses in other parts of the district. The thirty back to back houses at Emmaville are being dismantled as material is required for other purposes.

Overcrowding. As a result of the present hostilities with consequent movement of population, reliable figures are not available.

INSPECTION AND SUPERVISION OF FOOD.

Milk and Dairies Order, 1926. The whole of the cowsheds and dairies in the district are regularly inspected and found to be kept in a reasonably clean condition.

Milk (Special Designations) Order, 1936. Six licences have been granted for the sale of Pasteurised Milk.

Five farms are producing "Accredited Milk," one of which is licensed to produce and bottle.

Food and Drugs. The regulations under the sale of food and drugs, etc., are carried out by the County Council.

The inspection of places where food is prepared e.g., bakehouses, sausage-making, fish and chip shops, etc., takes place regularly, and these are found to be kept clean and orderly.

Meat Inspection. There are 13 slaughter houses, of which six are licensed, the licences of the remainder have not been renewed as all slaughtering, with the exception of cases of emergency slaughter and the slaughter of cottagers pigs, is carried on outside the district. The retail butchers in the area have a central distribution point, and as far as practicable all meat is inspected prior to being removed from the premises.

Other Foods. Systematic inspection of shops, stores, etc., where prepared foods, etc., are sold is carried out.

There are 4 bakeries in the district. These are frequently inspected and kept very clean, orderly and up-to-date in their general arrangements.

SUMMARY OF WORK done in the SANITARY. INSPECTOR'S DEPARTMENT during 1944.

PUBLIC HEALTH ACTS.	Number of Informal written Notices by Inspector	Number of Formal Notices by order of Authority	Number of Nuisances abated after Notice.	Gen. Remarks
Dwelling houses & Schools—				
Foul Conditions -	1	...	1	(3 - Work carried out in default)
Structural Defects -	49	10	33	
Overcrowding -	1	...	1	
Lodging-houses -	...	...	...	
Dairies, Milkshops -	5	...	5	
Cows' eds - - -	64	...	35	
Bakehouses -	...	...	..	
Slaughter-houses -	...	...	...	
Ashpits and Privies -	15	...	15	
Deposits of Refuse & Manure -	5	..	5	
Waterclosets -	10	...	8	
Defective Yard Paving -	...	1	...	
House Drainage—		...	...	
Defective Traps -	1	...	..	
No Disconnection from Sewers -	...	...	...	
Other Faults -	23	...	19	
Water Supply -	4	...	4	
Pigsties - -	2	...	2	
Animals Improperly Kept -	...	...	...	
Smoke Nuisances - -		...	.	
Other Nuisances -	7	...	4	
Total -	187	11	132	

WATER, FOOD AND DRUGS.			
Samples of Water taken for Analysis -	...	112 Certificates of surrender issued	
" " condemned as unfit for use -	...		
Seizures of Unwholesome Food -	*		
Convictions for selling or exposing Unwholesome Food -	...		
Samples of Food & Drugs taken for Analysis -	...		
" " found Adulterated -	-		

PRECAUTIONS AGAINST INFECTIOUS DISEASE				No	
Lots of Infectious Bedding stoved or destroyed				23	Steam Disinfected at Hospital
Houses disinfected after Infectious Disease				23	
School do do -				...	
Prosecutions for exposure of infected persons or things - - -				...	
Convictions for do do do					

GENERAL.				No.	
Number of New Houses erected during year				...	
Number of such Houses occupied during year				...	
Ashpit-privies converted into Ash-closets -				...	
do do Water-closets -				..	
Ash-closets do do -				...	
Total number of Water-closets in District -				3958	
do Ash-closets do				113	
do Ash-pit privies do				19	

